



# ADDENDA

**ANSI/ASHRAE Addendum o to  
ANSI/ASHRAE Standard 135.1-2013**

# **Method of Test for Conformance to BACnet<sup>®</sup>**

Approved by ASHRAE on December 30, 2014, and by the American National Standards Institute on December 31, 2014.

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**[This foreword and the “rationales” on the following pages are not part of this standard. They are merely informative and do not contain requirements necessary for conformance to the standard.]**

## **FOREWORD**

This addendum includes the result of changes made pursuant to the ASHRAE continuous maintenance procedures and of deliberations within Standing Standard Project Committee 135. The proposed changes are summarized below.

### **135.1-2013o-1. Align SubscribeCOVProperty error codes with SubscribeCOV, p. 1**

In the following document, language to be added to existing clauses of ANSI/ASHRAE 135.1-2013 and Addenda is indicated through the use of *italics*, while deletions are indicated by ~~striketrough~~. Where entirely new subclauses are proposed to be added, plain type is used throughout.

### 135.1-2013o-1. Align SubscribeCOVProperty error codes with SubscribeCOV.

#### Rationale

Error situations were identified for SubscribeCOV in Addendum 135-2008h, but not for SubscribeCOVProperty. The error codes were since aligned in Addendum 135-2012ar and this proposal changes the tests to match.

[Change **Clause 9.11.2.1**, p 301]

#### 9.11.2.1 The Monitored Object Does Not Support COV Notification

Purpose: To verify that the IUT correctly responds to a SubscribeCOVProperty request to establish a subscription when the monitored object does not support COV notifications.

Test Steps:

1. TRANSMIT SubscribeCOVProperty-Request,  
'Subscriber Process Identifier' = (any valid process identifier),  
'Monitored Object Identifier' = (any object that does not support COV notifications),  
'Issue Confirmed Notifications' = TRUE,  
'Lifetime' = 60,  
'Monitored Property Identifier' = (any property in the object)
- ~~2. RECEIVE BACnet-Error PDU,  
Error Class = SERVICES,  
Error Code = SERVICE\_REQUEST\_DENIED | OTHER~~
2. IF (Protocol\_Revision < 15) THEN  
RECEIVE  
( BACnet-Error PDU,  
Error Class = SERVICES,  
Error Code = SERVICE\_REQUEST\_DENIED | OTHER ) |  
( BACnet-Error PDU,  
Error Class = OBJECT  
Error Code = OPTIONAL\_FUNCTIONALITY\_NOT\_SUPPORTED )  
ELSE  
RECEIVE BACnet-Error PDU,  
Error Class = OBJECT  
Error Code = OPTIONAL\_FUNCTIONALITY\_NOT\_SUPPORTED

[Change **Clause 9.11.2.2**, p 301]

#### 9.11.2.2 The Monitored Property Does Not Support COV Notification

Purpose: To verify that the IUT correctly responds to a SubscribeCOVProperty request to establish a subscription when the monitored object supports COV notifications but not on the requested property.

Test Steps:

1. TRANSMIT SubscribeCOVProperty-Request,  
'Subscriber Process Identifier' = (any valid process identifier),  
'Monitored Object Identifier' = (any object that supports COV notifications),  
'Issue Confirmed Notifications' = TRUE,  
'Lifetime' = 60,  
'Monitored Property Identifier' = (any property of the chosen object that does not support COV notifications)
- ~~2. RECEIVE BACnet-Error PDU,  
Error Class = SERVICES,  
Error Code = SERVICE\_REQUEST\_DENIED | OTHER~~
2. IF (Protocol\_Revision < 15) THEN  
RECEIVE  
( BACnet-Error PDU,

*Error Class = SERVICES,*  
*Error Code = SERVICE\_REQUEST\_DENIED | OTHER ) |*  
*( BACnet-Error PDU,*  
*Error Class = PROPERTY*  
*Error Code = NOT\_COV\_PROPERTY )*

*ELSE*

*RECEIVE BACnet-Error PDU,*  
*Error Class = PROPERTY*  
*Error Code = NOT\_COV\_PROPERTY*



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ASHRAE's short-range goal is to ensure that the systems and components within its scope do not impact the indoor and outdoor environment to a greater extent than specified by the Standards and Guidelines as established by itself and other responsible bodies.

As an ongoing goal, ASHRAE will, through its Standards Committee and extensive Technical Committee structure, continue to generate up-to-date Standards and Guidelines where appropriate and adopt, recommend, and promote those new and revised Standards developed by other responsible organizations.

Through its *Handbook*, appropriate chapters will contain up-to-date Standards and design considerations as the material is systematically revised.

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